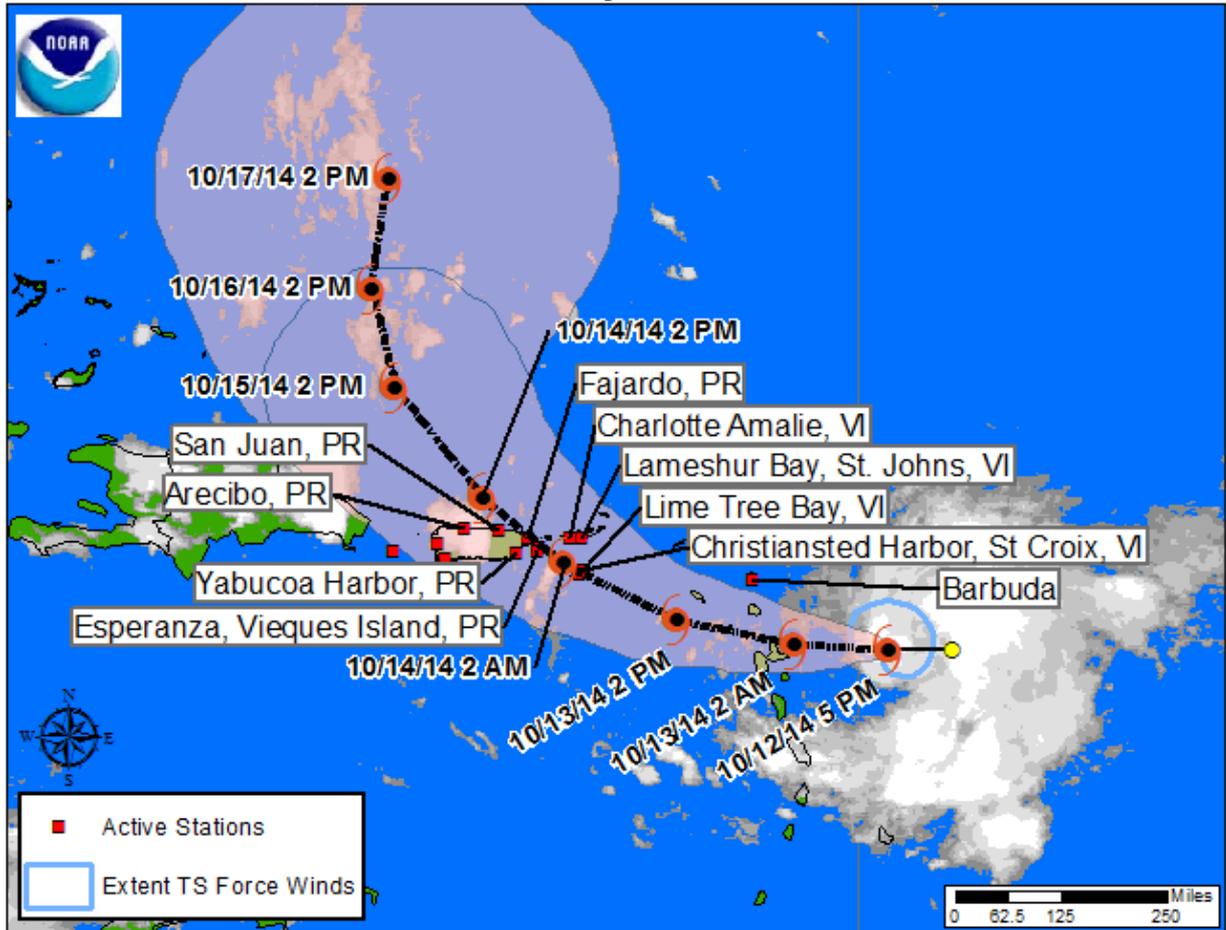




Tropical Storm GONZALO QuickLook
Posted: 18:00 AST 10/12/2014

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/12/2014 18:00 AST, water levels across Barbuda, the U.S. Virgin Islands and the eastern half of Puerto Rico are slightly elevated by up to half a foot above predicted tide levels. Winds have begun to increase, but remain below 20 knots across the region. Barometric pressure has leveled off and has begun to fall slightly across the U.S. Virgin Islands and Puerto Rico.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLookHomepage](#).

Analyst: PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

BULLETIN

TROPICAL STORM GONZALO ADVISORY NUMBER 2
NWS NATIONAL HURRICANE CENTER MIAMI FL AL082014
500 PM AST SUN OCT 12 2014

...GONZALO STRENGTHENING EAST OF THE LEEWARD ISLANDS...
...HURRICANE WATCH AND TROPICAL STORM WARNING ISSUED...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

A HURRICANE WATCH AND A TROPICAL STORM WARNING HAVE BEEN ISSUED FOR PUERTO RICO...VIEQUES...CULEBRA...AND THE U.S. VIRGIN ISLANDS.

THE GOVERNMENT OF ANTIGUA AND BARBUDA HAS ISSUED A HURRICANE WATCH AND A TROPICAL STORM WARNING FOR THE BRITISH VIRGIN ISLANDS.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WATCH IS IN EFFECT FOR...

- * PUERTO RICO...VIEQUES...CULEBRA...AND THE U.S. VIRGIN ISLANDS

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * PUERTO RICO
- * VIEQUES
- * CULEBRA
- * U.S. VIRGIN ISLANDS

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA. A WATCH IS TYPICALLY ISSUED 48 HOURS BEFORE THE ANTICIPATED FIRST OCCURRENCE OF TROPICAL-STORM-FORCE WINDS...CONDITIONS THAT MAKE OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA...IN THIS CASE WITHIN THE NEXT 24 TO 36 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

Tropical Storm GONZALO QuickLook, POSTED 18:00 AST 10/12/2014

AT 500 PM AST...2100 UTC...THE CENTER OF TROPICAL STORM GONZALO WAS LOCATED NEAR LATITUDE 16.4 NORTH...LONGITUDE 59.5 WEST OR ABOUT 160 MI ESE OF ANTIGUA. GONZALO IS MOVING TOWARD THE WEST NEAR 12 MPH...19 KM/H...AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE THROUGH MONDAY...FOLLOWED BY A TURN TOWARD THE WEST-NORTHWEST MONDAY NIGHT. ON THE FORECAST TRACK... GONZALO IS EXPECTED TO MOVE THROUGH THE CENTRAL LEEWARD ISLANDS BY EARLY MONDAY MORNING...AND APPROACH PUERTO RICO AND THE VIRGIN ISLANDS MONDAY NIGHT AND TUESDAY MORNING.

REPORTS FROM AN AIR FORCE RESERVE RECONNAISSANCE AIRCRAFT INDICATE THAT MAXIMUM SUSTAINED WINDS HAVE INCREASED TO NEAR 45 MPH...75 KM/H...WITH HIGHER GUSTS. ADDITIONAL STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS...AND GONZALO IS EXPECTED TO BECOME A HURRICANE BY EARLY TUESDAY MORNING.

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 60 MILES...95 KM FROM THE CENTER.

THE MINIMUM CENTRAL PRESSURE RECENTLY MEASURED BY RECONNAISSANCE AIRCRAFT WAS 1004 MB...29.65 INCHES.

HAZARDS AFFECTING LAND

WIND...HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE HURRICANE WATCH AREA BY EARLY TUESDAY MORNING...WITH TROPICAL STORM CONDITIONS EXPECTED BY MONDAY EVENING.

TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH THE WARNING AREA IN THE LEEWARD ISLANDS BY MONDAY MORNING...MAKING OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

RAINFALL...GONZALO IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 4 TO 8 INCHES ACROSS THE LEEWARD ISLANDS...BRITISH AND U.S. VIRGIN ISLANDS...AND EASTERN PUERTO RICO...WITH ISOLATED MAXIMUM TOTALS OF 12 INCHES POSSIBLE.

SURF...SWELLS GENERATED BY GONZALO WILL AFFECT THE LEEWARD ISLANDS TONIGHT AND MONDAY MORNING FROM DOMINICA NORTHWARD...AND REACH THE U.S. AND BRITISH VIRGIN ISLANDS BY MONDAY AFTERNOON. THESE SWELLS ARE LIKELY TO CAUSE LIFE-THREATENING SURF AND RIP CURRENT CONDITIONS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE.

FORECASTER STEWART

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Barbuda - Water Level](#), [Barbuda - Winds](#), [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Winds](#), [Lime Tree Bay - Barometric](#), [Christiansted Harbor, St Croix - Water Level](#), [Christiansted Harbor, St Croix - Winds](#), [Lameshur Bay, St John - Water Level](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Esperanza, Vieques Island - Water Level](#), [Esperanza, Vieques Island - Winds](#), [Esperanza, Vieques Island - Barometric](#), [Fajardo - Water Level](#), [Fajardo - Winds](#), [Yabucoa Harbor - Water Level](#), [Yabucoa Harbor - Winds](#), [San Juan - Water Level](#), [San Juan - Winds](#), [San Juan - Barometric](#), [Arecibo -](#)

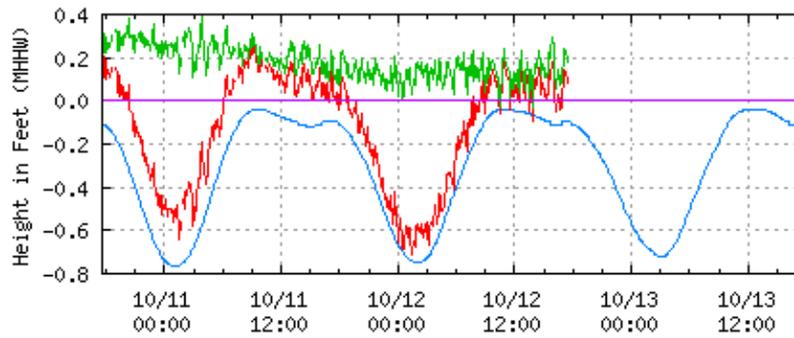
Tropical Storm GONZALO QuickLook, POSTED 18:00 AST 10/12/2014

Water Level

Tropical Storm GONZALO QuickLook, POSTED 18:00 AST 10/12/2014

NOAA/NOS/CO-OPS 9761115 Barbuda

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide ——— (Obs-Pred) ———
Observed WL ——— MHHW ———

Last Observed Sample: 10/12/2014 17:24 (AST). Data relative to MHHW

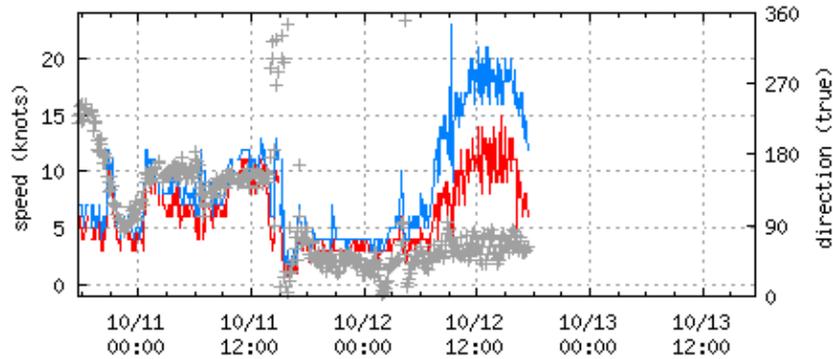
Observed: 0.08 ft. Predicted: -0.10 ft. Residual: 0.18 ft.

Historical Maximum Water Level: Aug 23 2012, 1.05 ft.

Next High Tide: 10/13/2014 12:51 (AST), -0.04 ft.

NOAA/NOS/CO-OPS 9761115 Barbuda

Wind Speed / Gusts / Direction

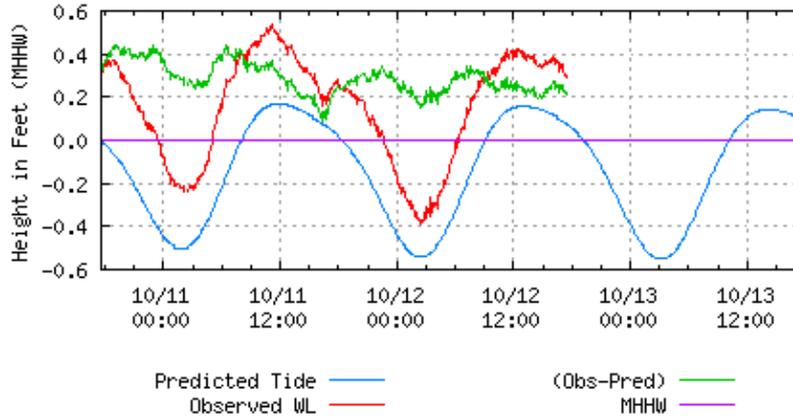


speed ——— gusts ——— direction +

Last Observed Sample: 10/12/2014 17:24 (AST)

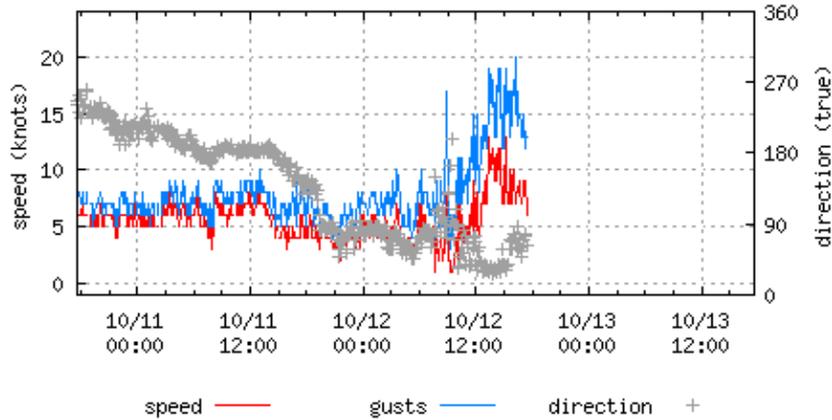
Wind Speed: 6 knots Gusts: 12 knots Direction: 62° T

NOAA/NOS/CO-OPS 9751401 Lime Tree Bay, VI
 Preliminary Water Level, relative to Mean Higher High Water(MHHW)



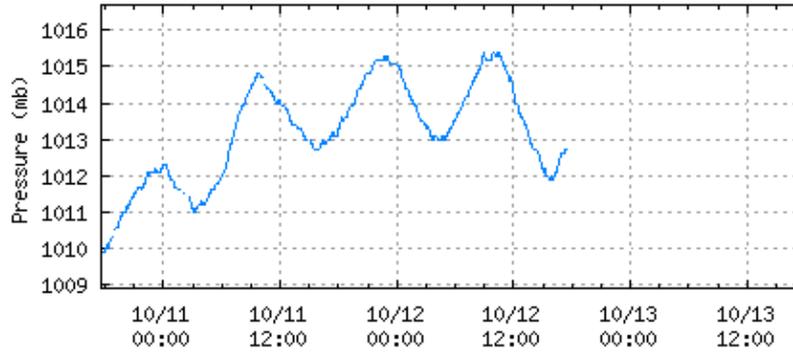
Last Observed Sample: 10/12/2014 17:24 (AST). Data relative to MHHW
Observed: 0.29 ft. Predicted: 0.08 ft. Residual: 0.21 ft.
 Historical Maximum Water Level: Nov 17 1999, 1.88 ft.
 Next High Tide: 10/13/2014 14:15 (AST), 0.14 ft.

NOAA/NOS/CO-OPS 9751401 Lime Tree Bay, VI
 Wind Speed / Gusts / Direction



Last Observed Sample: 10/12/2014 17:24 (AST)
Wind Speed: 6 knots Gusts: 13 knots Direction: 64° T

NOAA/NOS/CO-OPS 9751401 Lime Tree Bay, VI
Barometric Pressure

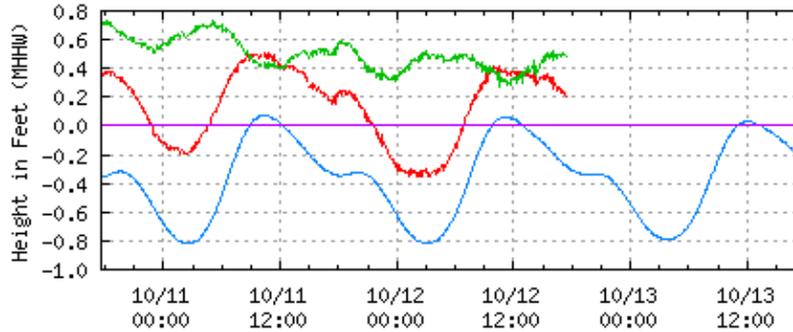


barometric pressure —

Last Observed Sample: 10/12/2014 17:24 (AST)

Barometric Pressure: 1012.7 mb

NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

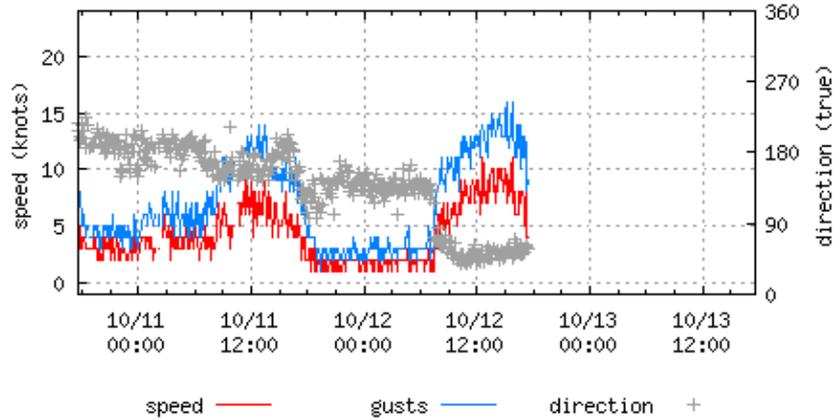
Last Observed Sample: 10/12/2014 17:24 (AST). Data relative to MHHW

Observed: 0.20 ft. Predicted: -0.28 ft. Residual: 0.48 ft.

Historical Maximum Water Level: Oct 16 2008, 1.17 ft.

Next High Tide: 10/13/2014 12:03 (AST), 0.03 ft.

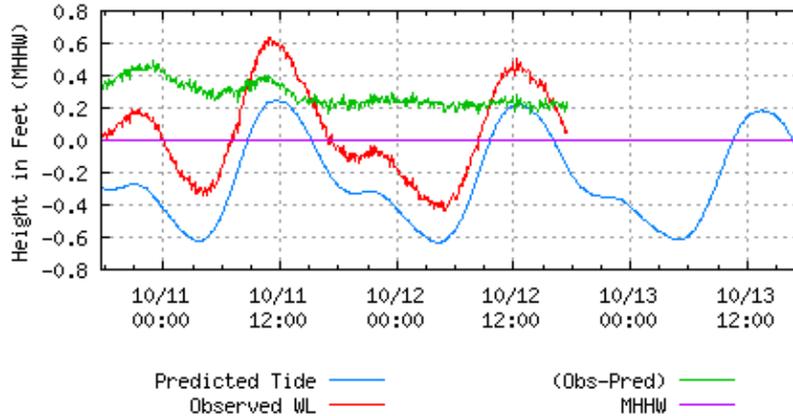
NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI
Wind Speed / Gusts / Direction



Last Observed Sample: 10/12/2014 17:24 (AST)

Wind Speed: 4 knots Gusts: 9 knots Direction: 58° T

NOAA/NOS/CO-OPS 9751381 Lameshur Bay, St John, VI
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



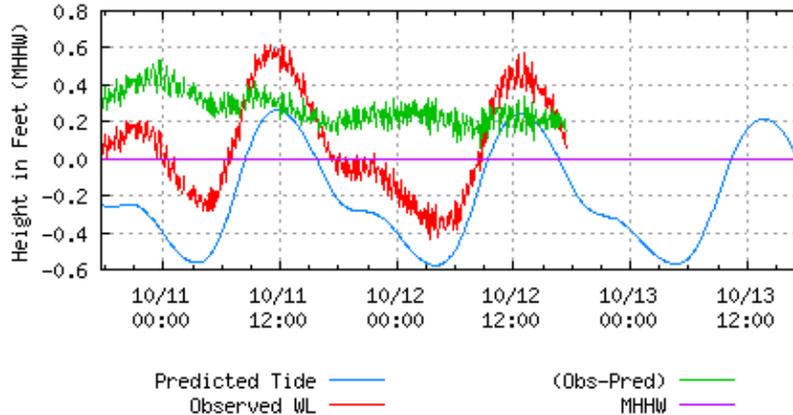
Last Observed Sample: 10/12/2014 17:30 (AST). Data relative to MHHW

Observed: 0.06 ft. Predicted: -0.17 ft. Residual: 0.23 ft.

Historical Maximum Water Level: Aug 30 2010, 0.89 ft.

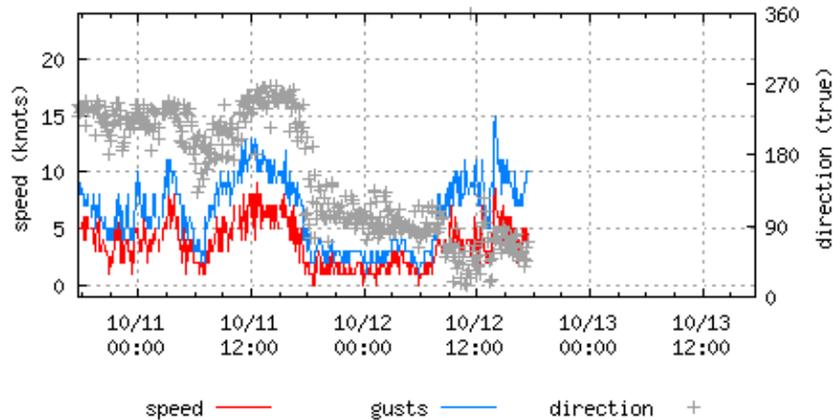
Next High Tide: 10/13/2014 13:30 (AST), 0.18 ft.

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI
 Preliminary Water Level, relative to Mean Higher High Water(MHHW)



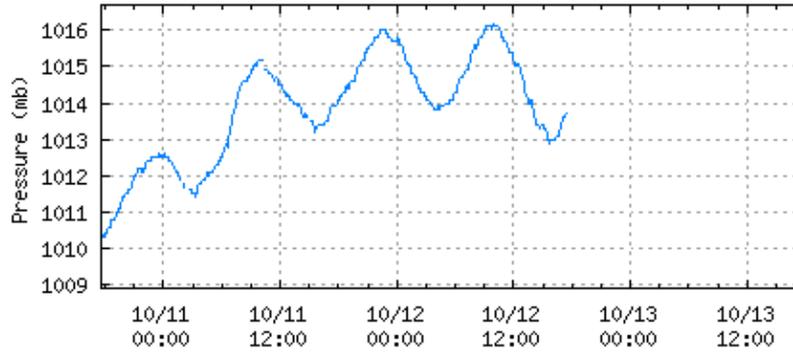
Last Observed Sample: 10/12/2014 17:24 (AST). Data relative to MHHW
Observed: 0.06 ft. Predicted: -0.09 ft. Residual: 0.15 ft.
 Historical Maximum Water Level: Sep 16 1995, 2.93 ft.
 Next High Tide: 10/13/2014 13:44 (AST), 0.21 ft.

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI
 Wind Speed / Gusts / Direction



Last Observed Sample: 10/12/2014 17:24 (AST)
Wind Speed: 4 knots Gusts: 10 knots Direction: 69° T

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI
Barometric Pressure

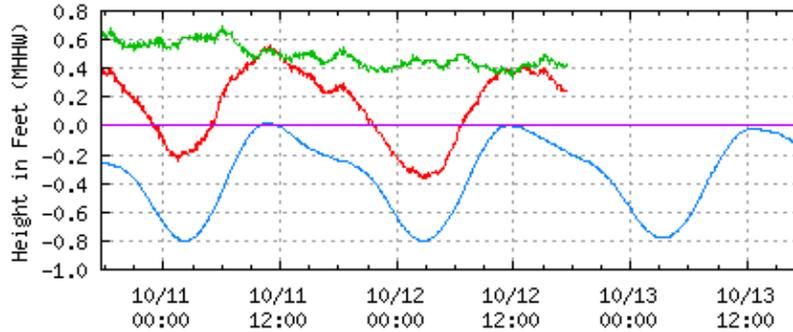


barometric pressure —

Last Observed Sample: 10/12/2014 17:24 (AST)

Barometric Pressure: 1013.7 mb

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

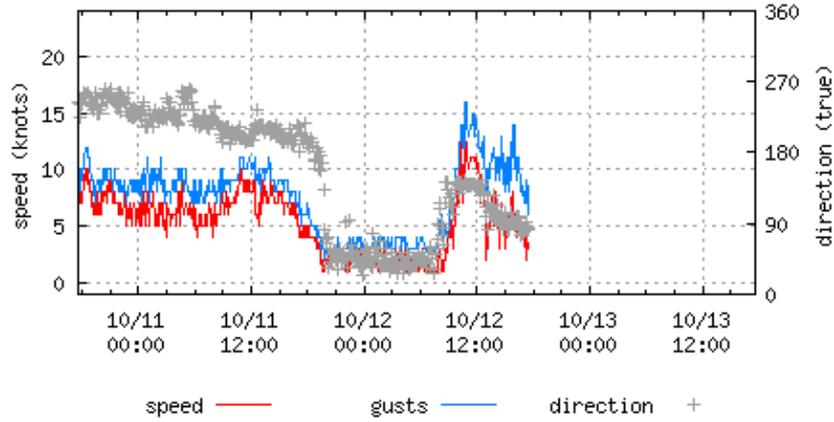
Last Observed Sample: 10/12/2014 17:30 (AST). Data relative to MHHW

Observed: 0.25 ft. Predicted: -0.18 ft. Residual: 0.43 ft.

Historical Maximum Water Level: Aug 22 2011, 0.99 ft.

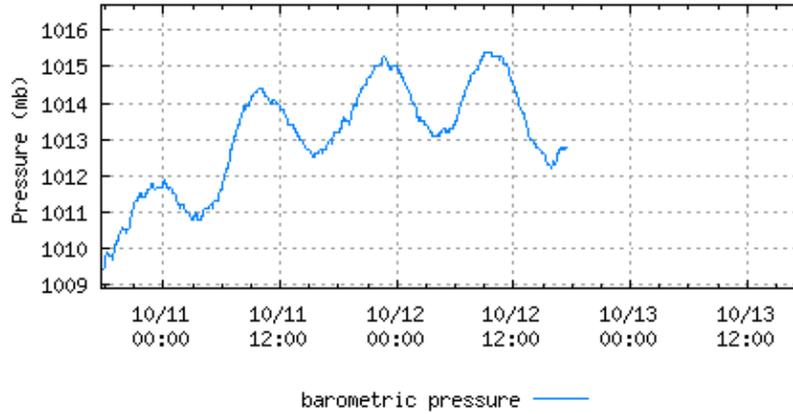
Next High Tide: 10/13/2014 12:32 (AST), -0.02 ft.

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR
Wind Speed / Gusts / Direction

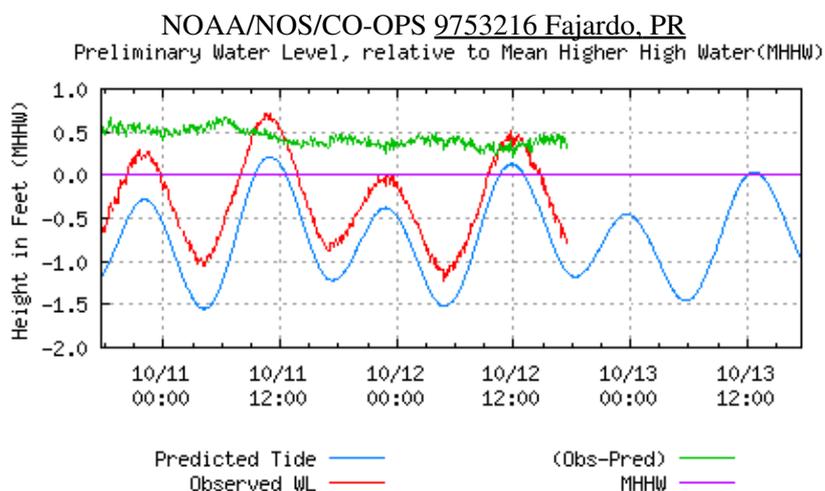


Last Observed Sample: 10/12/2014 17:30 (AST)
Wind Speed: 3 knots Gusts: 6 knots Direction: 83° T

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR
Barometric Pressure



Last Observed Sample: 10/12/2014 17:30 (AST)
Barometric Pressure: 1012.8 mb



Last Observed Sample: 10/12/2014 17:30 (AST). Data relative to MHHW

Observed: -0.80 ft. Predicted: -1.13 ft. Residual: 0.33 ft.

Historical Maximum Water Level: Aug 30 2010, 0.84 ft.

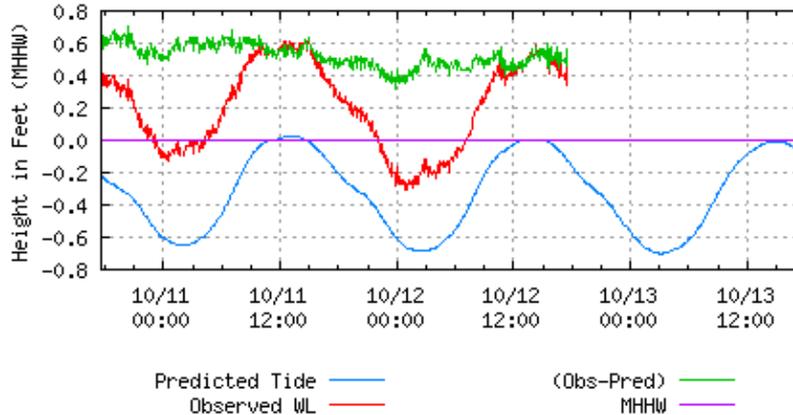
Next High Tide: 10/12/2014 23:38 (AST), -0.46 ft.

NOAA/NOS/CO-OPS 9753216 Fajardo, PR

Last Observed Sample: 10/12/2014 17:30 (AST)

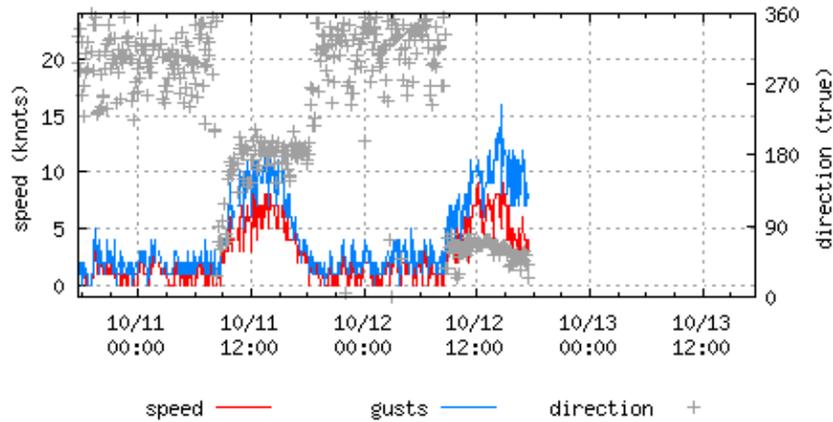
Wind Speed: 11 knots Gusts: 14 knots Direction: 67° T

NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR
 Preliminary Water Level, relative to Mean Higher High Water(MHHW)

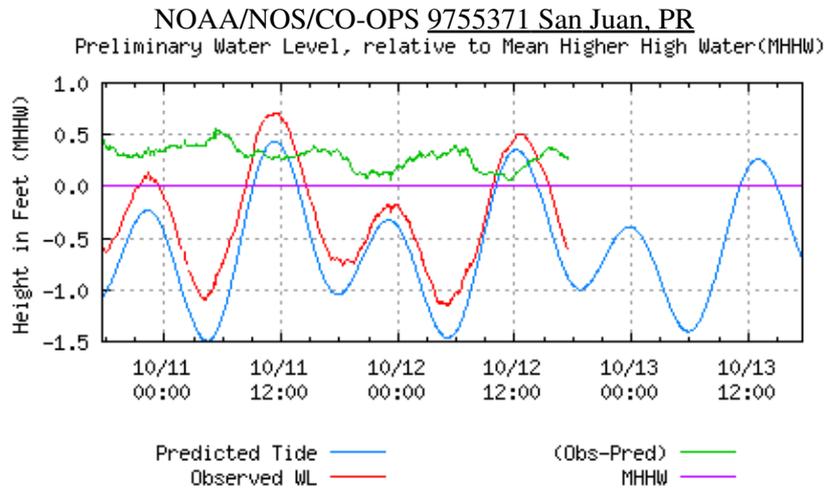


Last Observed Sample: 10/12/2014 17:30 (AST). Data relative to MHHW
Observed: 0.44 ft. Predicted: -0.13 ft. Residual: 0.57 ft.
 Historical Maximum Water Level: n/a
 Next High Tide: 10/13/2014 15:07 (AST), -0.01 ft.

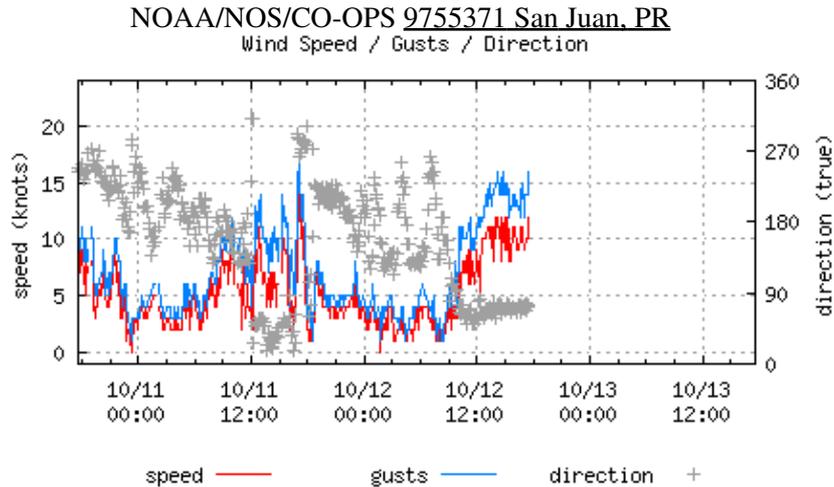
NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR
 Wind Speed / Gusts / Direction



Last Observed Sample: 10/12/2014 17:30 (AST)
Wind Speed: 4 knots Gusts: 8 knots Direction: 42° T

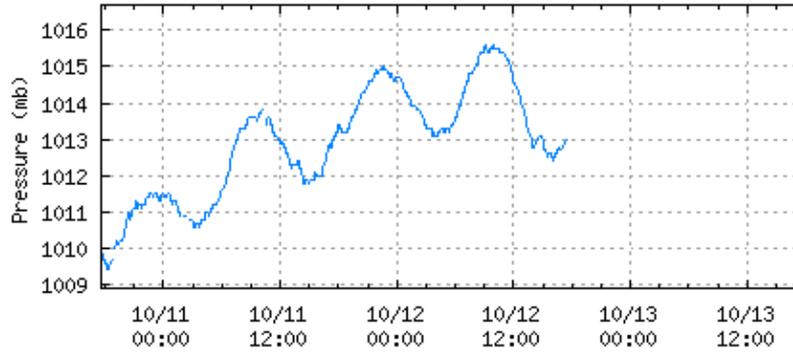


Last Observed Sample: 10/12/2014 17:30 (AST). Data relative to MHHW
Observed: -0.60 ft. Predicted: -0.88 ft. Residual: 0.28 ft.
 Historical Maximum Water Level: Sep 18 1989, 2.77 ft.
 Next High Tide: 10/12/2014 23:49 (AST), -0.39 ft.



Last Observed Sample: 10/12/2014 17:30 (AST)
Wind Speed: 12 knots Gusts: 16 knots Direction: 72° T

NOAA/NOS/CO-OPS 9755371 San Juan, PR
Barometric Pressure

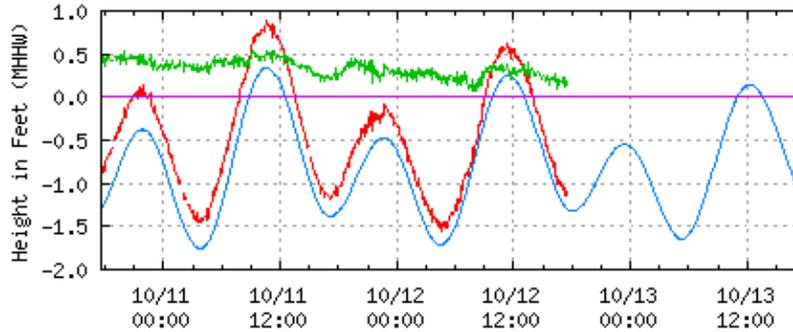


barometric pressure —

Last Observed Sample: 10/12/2014 17:30 (AST)

Barometric Pressure: 1013.0 mb

NOAA/NOS/CO-OPS 9757809 Arecibo, PR
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 10/12/2014 17:30 (AST). Data relative to MHHW

Observed: -1.14 ft. Predicted: -1.30 ft. Residual: 0.16 ft.

Historical Maximum Water Level: Oct 8 2010, 0.90 ft.

Next High Tide: 10/12/2014 23:24 (AST), -0.55 ft.

Tropical Storm GONZALO QuickLook, POSTED 18:00 AST 10/12/2014

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
9761115	Barbuda	10/12/2014 17:24 (AST)	0.08 ft	-0.10 ft	0.18 ft	0.20 ft
9751401	Lime Tree Bay, VI	10/12/2014 17:24 (AST)	0.29 ft	0.08 ft	0.21 ft	0.42 ft
9751364	Christiansted Harbor, St Croix, VI	10/12/2014 17:24 (AST)	0.20 ft	-0.28 ft	0.48 ft	0.42 ft
9751381	Lameshur Bay, St John, VI	10/12/2014 17:30 (AST)	0.06 ft	-0.17 ft	0.23 ft	0.50 ft
9751639	Charlotte Amalie, VI	10/12/2014 17:24 (AST)	0.06 ft	-0.09 ft	0.15 ft	0.57 ft
9752695	Esperanza, Vieques Island, PR	10/12/2014 17:30 (AST)	0.25 ft	-0.18 ft	0.43 ft	0.41 ft
9753216	Fajardo, PR	10/12/2014 17:30 (AST)	-0.80 ft	-1.13 ft	0.33 ft	0.52 ft
9754228	Yabucoa Harbor, PR	10/12/2014 17:30 (AST)	0.44 ft	-0.13 ft	0.57 ft	0.59 ft
9755371	San Juan, PR	10/12/2014 17:30 (AST)	-0.60 ft	-0.88 ft	0.28 ft	0.51 ft
9757809	Arecibo, PR	10/12/2014 17:30 (AST)	-1.14 ft	-1.30 ft	0.16 ft	0.63 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce